Compact Cassette Autoclave - Small Instrument Steam Sterilizer - 1.8 L - 6 Minute Unwrapped Cycle

Model **MSSTC-2000SWISS** | Brand **Master Science**





The Master Science 1.8 L Cassette Autoclave is the smallest and quickest model in the cassette range, built for dentistry, ophthalmology and other departments that work with small instruments. An unwrapped sterilization cycle takes about 6 minutes.

KEY HIGHLIGHTS

- Six-minute cycle
- Made for fine instruments
- Simple operation
- Built-in diagnostics

AT A GLANCE

115 to 135°C (max. 138°C) OPERATING TEMPERATURE	**280 × 180 × 38 mm** CHAMBER SIZE
0.1°C DISPLAY ACCURACY	**About 1.8 L** STERILIZATION VOLUME

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Overview

The flat cassette has a 280 × 180 × 38 mm sterilization space and accepts both solid and cavity-containing instruments. Status is shown on the screen, any programme can be stopped safely, and the self-detection system halts the Master Science 1.8 L Cassette Autoclave with a fault code if a problem is detected.

> Small instruments often wait behind large loads in a chamber autoclave. The Master Science 1.8 L Cassette Autoclave helps with:

Overview

- Flat 1.8 L cassette
- Chamber 280 × 180 × 38 mm
- Non-wrapped cycle in about 6 minutes

Key Benefits

Six-minute cycle
The fastest turnaround in the cassette range for small instruments.

Made for fine instruments
Suited to dental and ophthalmic tools, including those with cavities.

Simple operation
Clear on-screen status and safe programme interruption.

Built-in diagnostics
Automatic stop and fault code display.

For larger instrument sets, see the 5.2 L cassette autoclave.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSSTC-2000SWISS
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Sterilization Volume	About 1.8 L
Cycle Time	About 6 minutes, unwrapped
Operating Pressure	42 to 212 kPa (max. 242 kPa)
Safety Valve	0.25 MPa
Water Tank	3.4 L
Water Quality	Ultra-pure, deionized or laboratory water
Duty	Intermittent, up to 6 cycles per hour
Operating Temperature	115 to 135°C (max. 138°C)
Display Accuracy	**0.1°C**

POWER

Steam Generator Power	1.2 kVA ±5%
Input Power	≤ 1.3 kVA
Power Supply	AC 220 V ±22 V, 50 Hz ±1 Hz

DIMENSIONS & WEIGHT

Equipment Size	570 × 415 × 170 mm
Chamber Size	280 × 180 × 38 mm
Cassette Size (outside)	390 × 196 × 40 mm

PROBLEMS THE MASTER SCIENCE 1.8 L CASSETTE AUTOCLAVE SOLVES

Long waits between patients	A 6-minute cycle returns instruments quickly.
Oversized sterilizers for small loads	A compact cassette is right-sized for a few instruments.
Lumen instruments	Designed for cavity-containing instruments as well as solid ones.
Undetected faults	Self-detection stops the cycle and displays a code.

The Master Science 1.8 L Cassette Autoclave is used in

- **Dental clinics and stomatology departments**
- **Ophthalmology units**
- **Small-instrument sterilization between patients**
- **Minor surgery and outpatient rooms**
- **Veterinary clinics**

Control

- On-screen operating display
- Safe interruption at any time
- Up to 6 cycles per hour

Safety

- Self-detection and automatic shutdown
- Fault codes on screen
- Safety valve at 0.25 MPa

Standard Accessories Included

- Cassette autoclave main unit
- Sterilization cassette